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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/606,176	06/25/2003	Osamu Goto	09792909-5625	3458	
26263	7590 08/05/2004		EXAM	EXAMINER	
SONNENSCHEIN NATH & ROSENTHAL LLP			NADA	NADAV, ORI	
P.O. BOX 00	51080				
WACKER DRIVE STATION, SEARS TOWER			ART UNIT	PAPER NUMBER	
CHICAGO, IL 60606-1080			2811		
			DATE MAILED: 08/05/2004		

Please find below and/or attached an Office communication concerning this application or proceeding.

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		Application No.	Applicant(s)	- Jam			
		10/606,176	GOTO ET AL.				
	Office Action Summary	Examiner	Art Unit				
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	The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	correspondence ac	ddress			
	A SHORTENED STATUTORY PERIOD FOR REPLY THE MAILING DATE OF THIS COMMUNICATION.  - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication.  - If the period for reply specified above is less than thirty (30) days, a reply - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	36(a). In no event, however, may a reply be ting within the statutory minimum of thirty (30) day will apply and will expire SIX (6) MONTHS from a cause the application to become ABANDONE	nely filed rs will be considered time the mailing date of this of D (35 U.S.C. § 133).				
	Status						
* .	1)⊠ Responsive to communication(s) filed on <u>14 Notest</u> 2a)□ This action is FINAL. 2b)⊠ This      3)□ Since this application is in condition for alloward closed in accordance with the practice under E	action is non-final.		e merits is			
	Disposition of Claims						
	4) ⊠ Claim(s) <u>146-205</u> is/are pending in the applicate 4a) Of the above claim(s) is/are withdraw 5) □ Claim(s) is/are allowed. 6) □ Claim(s) is/are rejected. 7) □ Claim(s) is/are objected to. 8) ⊠ Claim(s) <u>146-205</u> are subject to restriction and	wn from consideration.					
	Application Papers						
Server Levis E	9) The specification is objected to by the Examine 10) The drawing(s) filed onis/are: a) accomplicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Example 11.	epted or b) objected to by the drawing(s) be held in abeyance. Se ion is required if the drawing(s) is ob	e 37 CFR 1.85(a). ojected to. See 37 C	FR 1.121(d).			
	Priority under 35 U.S.C. § 119						
·	12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  a) All b) Some * c) None of:  1. Certified copies of the priority documents have been received.  2. Certified copies of the priority documents have been received in Application No. (2) Appl						
	application from the International Bureau * See the attached detailed Office action for a list	• • • • • • • • • • • • • • • • • • • •	ed.				
	Attachment(s)  1) Notice of References Cited (PTO-892)	4) Interview Summary					
	Notice of Draftsperson's Patent Drawing Review (PTO-948)     Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)     Paper No(s)/Mail Date	Paper No(s)/Mail D 5)  Notice of Informal F 6)  Other:		O-152)			
	U.S. Patent and Trademark Office						

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## Election/Restriction

- Restriction to one of the following inventions is required under
   U.S.C. 121:
  - Claims 146-157 and 171-183 drawn to a semiconductor device, classified in class 257, subclass 79.
  - II. Claims 158-170 and 184-205 drawn to a process of making a semiconductor device, classified in class 438, subclass 22+.
- 2. The inventions are distinct, each from the other because of the following reasons: Inventions II and I are related as process of making and product made. The inventions are distinct if either or both of the following can be shown: (1) that the process as claimed can be used to make other and materially different product or (2) that the product as claimed can be made by another and materially different process (MPEP 

  806.05(f)). In the instant case unpatentability of Group II invention would not necessarily imply unpatentability of the process of the group II invention, since the device of group I invention could be made by processes different from those of group II invention. For example, in claim 1, growing the intermediate layer before growing the active layer.
- 3. Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification, restriction for examination purposes as indicated is proper.

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4. Claims 146-157 and 171-183 drawn to a semiconductor device are further restricted as follows:

This application contains claims 146-157 and 171-183 directed to the following patentably distinct species of the claimed invention:

- 1. Embodiment of figure 1
- 2. Embodiment of figure 6
- 3. Embodiment of figure 9

Applicant is required under 35 U.S.C. 121 to elect a single disclosed species for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable. Currently, non is generic.

5. Claims 158-170 and 184-205 drawn to a process of making a semiconductor device are further restricted as follows:

patentably distinct species of the claimed invention:

- 1. Embodiment of figure 1
- 2. Embodiment of figure 3
- 3. Embodiment of figure 4
- 5. Embodiment of figure 6
- 6. Embodiment of figure 9
- 7. Embodiment of figure 11
- 8. Embodiment of figure 12

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- 9. Embodiment of figure 13
- 10. Embodiment of figure 14
- 11. Embodiment of figure 15
- 12. Embodiment of figure 16

Applicant is required under 35 U.S.C. 121 to elect a single disclosed species for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable. Currently, non is generic.

Applicant is advised that a response to this requirement must include an identification of the species that is elected consonant with this requirement, and a listing of all claims readable thereon, including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered nonresponsive unless accompanied by an election.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which are written in dependent form or otherwise include all the limitations of an allowed generic claim as provided by 37 CFR 1.141. If claims are added after the election, applicant must indicate which are readable upon the elected species. MPEP § 809.02(a).

Should applicant traverse on the ground that the species are not patentably distinct; applicant should submit evidence or identify such evidence now of record showing the species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C. 103(a) of the other invention.

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Applicant is advised that the response to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a diligently-filed petition under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(h).

Papers related to this application may be submitted to Technology center (TC) 2800 by facsimile transmission. Papers should be faxed to TC 2800 via the TC 2800 Fax center located in Crystal Plaza 4, room 4-C23. The faxing of such papers must conform with the notice published in the Official Gazette, 1096 OG 30 (November 15, 1989). The Group 2811 Fax Center number is (703) 308-7722 and 308-7724. The Group 2811 Fax Center is to be used only for papers related to Group 2811 applications.

Any inquiry concerning this communication or any earlier communication from the Examiner should be directed to *Examiner Nadav* whose telephone number is **(571) 272-**

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**1660**. The Examiner is in the Office generally between the hours of 7 AM to 4 PM

(Eastern Standard Time) Monday through Friday.

Any inquiry of a general nature or relating to the status of this application should be

directed to the Technology Center Receptionists whose telephone number is 308-

0956.

O.N. 8/3/04 ORI NADAV
PATENT EXAMINER
TECHNOLOGY CENTER 2800

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